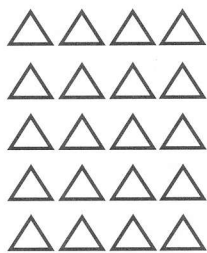
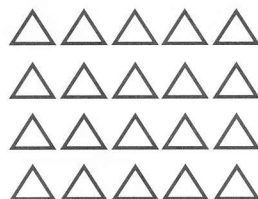
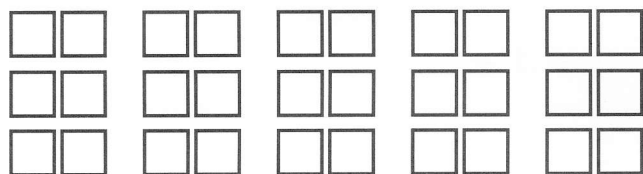


Solve.**1**

$$5 \times 4 = \underline{\hspace{2cm}}$$

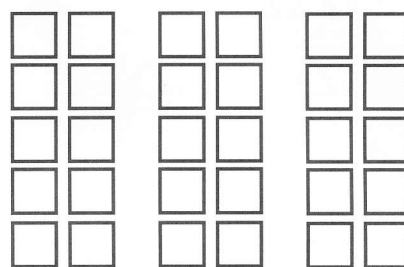


$$4 \times 5 = \underline{\hspace{2cm}}$$

2

$$(3 \times 2) \times 5$$

$$6 \times 5 = \underline{\hspace{2cm}}$$



$$3 \times (2 \times 5)$$

$$3 \times 10 = \underline{\hspace{2cm}}$$

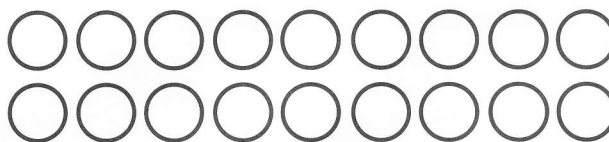
Draw a line to separate the counters to match the numbers.
Write the product.

3

$$2 \times 9$$

$$(2 \times 5) + (2 \times 4)$$

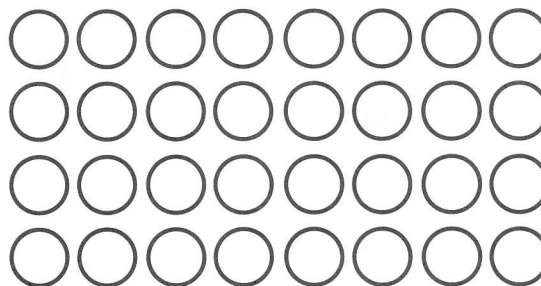
$$2 \times 9 = \underline{\hspace{2cm}}$$

**4**

$$4 \times 8$$

$$(4 \times 4) + (4 \times 4)$$

$$4 \times 8 = \underline{\hspace{2cm}}$$



Pick two numbers. Tell about the product when the order is changed.

Use counters to model each problem. Write a number sentence for each problem.

①

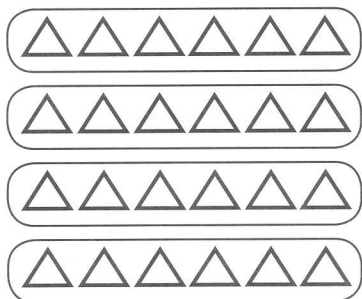


$4 \times 2 = \underline{\hspace{2cm}}$

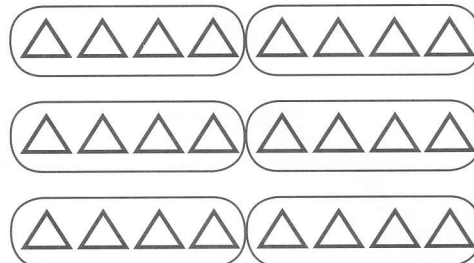


$2 \times 4 = \underline{\hspace{2cm}}$

②



$4 \times 6 = \underline{\hspace{2cm}}$



$6 \times 4 = \underline{\hspace{2cm}}$

③

$(2 \times 2) \times 4$



$\underline{\hspace{2cm}} \times 4 = \underline{\hspace{2cm}}$

$2 \times (2 \times 4)$



$2 \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

④

$(2 \times 5) \times 2$

$10 \times 2 = \underline{\hspace{2cm}}$

$2 \times (5 \times 2)$

$2 \times 10 = \underline{\hspace{2cm}}$

⑤

5×7

$(5 \times 3) + (5 \times 4)$

$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

$5 \times 7 = \underline{\hspace{2cm}}$

⑥

6×9

$(6 \times 5) + (6 \times 4)$

$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

$6 \times 9 = \underline{\hspace{2cm}}$

⑦

4×8

$(4 \times 4) + (4 \times 4)$

$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

$4 \times 8 = \underline{\hspace{2cm}}$

⑧

3×7

$(3 \times 3) + (3 \times 4)$

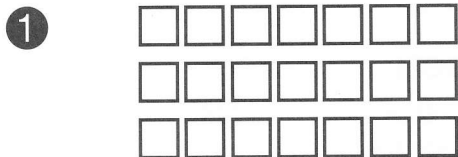
$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

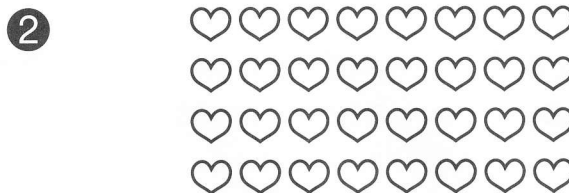
$3 \times 7 = \underline{\hspace{2cm}}$



Pick three numbers. Tell about the product when the grouping is changed.

Write two true multiplication sentences for each model.





Show two ways to solve each problem.

③ $2 \times 2 \times 3$

_____ \times _____ = _____

_____ \times _____ = _____

④ $2 \times 4 \times 3$

_____ \times _____ = _____

_____ \times _____ = _____

⑤ $4 \times 2 \times 3$

_____ \times _____ = _____

_____ \times _____ = _____

⑥ $2 \times 3 \times 3$

_____ \times _____ = _____

_____ \times _____ = _____

Fill in the missing number to find the product.

⑦ 5×9

$(5 \times 5) + (5 \times \underline{\hspace{1cm}})$

_____ + _____ = _____

$5 \times 9 = \underline{\hspace{1cm}}$

⑧ 2×9

$(2 \times \underline{\hspace{1cm}}) + (2 \times 4)$

_____ + _____ = _____

$2 \times 9 = \underline{\hspace{1cm}}$

⑨ 7×8

$(7 \times \underline{\hspace{1cm}}) + (7 \times \underline{\hspace{1cm}})$

_____ + _____ = _____

$7 \times 8 = \underline{\hspace{1cm}}$

⑩ 8×9

$(8 \times \underline{\hspace{1cm}}) + (8 \times \underline{\hspace{1cm}})$

_____ + _____ = _____

$8 \times 9 = \underline{\hspace{1cm}}$



Write about how you solved Problem 10.

Solve.

- 1 There are 8 rows of apple trees. Each row has 7 trees. Write two multiplication sentences that show the total number of apple trees.
 - 2 There are 8 pots of corn. Each pot has 6 corn cobs. Write two multiplication sentences to show the total number of corn cobs.
-
- 3 There are 5 bags of beets. Each bag has 4 beets. Write two multiplication sentences to show the total number of beets.
 - 4 There are 2 bakers. Each baker has 4 pans. Each pan has 6 cupcakes. Write 2 expressions that show the total number of cupcakes.

Circle the letter for the correct answer.

- 5 Which expression is equal to 4×8 ?
 - a) $(4 \times 5) + (4 \times 3)$
 - b) 8×4
 - c) $(4 \times 4) + (4 \times 4)$
 - d) all of the above
- 6 There are 2 buses. There are 7 girls and 3 boys on each bus. Which expression shows the total number of boys and girls on the buses?
 - a) $3 \times (7 + 2)$
 - b) $2 \times (7 + 3)$
 - c) $(2 + 3) \times 7$
 - d) $2 + 3 + 7$